

REMARKS

Claims 16 to 24 and 26 to 28 are pending in the application. Claims 16 and 22 are independent. Favorable reconsideration and further examination are respectfully requested.

In the Office Action, claims 22, 23 and 27 were rejected over U.S. Patent No. 5,604,746 (Oto) in view of U.S. Patent No. 6,115,593 (Alinikula) and U.S. Patent No. 6,043,721 (Nagode); claims 16, 19, 20 and 26 were rejected over Oto in view of U.S. Patent No. 5,619,536 (Gourgue); claims 17, 18, 24 and 28 were rejected over Oto and Gourgue in view of Alinikula; and claim 21 was rejected over Oto, Gourgue and Nagode in view of U.S. Patent No. 5,748,623 (Sawahashi). As shown above, Applicants have amended the claims to define the invention with greater clarity. In view of these clarifications, withdrawal of the art rejections is respectfully requested.

Specifically, independent claims 16 and 22 have been amended to specify that post-filtering, which is performed on the frequency baseband to obtain a second signal frequency band containing the signals, is performed by a post-filter having a cut-off frequency that is variable and that is matched to one or more of the carrier frequency and the intermediate frequency in order to separate the second signal frequency band from a neighboring frequency band. The applied art is not understood to disclose or to suggest this feature of the claims.

In this regard, it was said on page 3 of the Office Action that Oto discloses a post-filter. In particular, it was said that Oto's low-pass filters (LPFs) 25 and 26 correspond to the post-filter of the claims. Applicants respectfully disagree with this characterization of Oto's LPFs. More specifically, Oto's LPFs 25 and 26 are used to shape a waveform, not to match a cut-off

frequency to one or more of a carrier frequency and an intermediate frequency in order to separate a second signal frequency band from a neighboring frequency band.

Pages 4 and 5 of the Office Action indicate that Alinikula discloses a post-filter having a cut-off frequency matched to a carrier frequency and/or an intermediate frequency in order to separate a second frequency band from neighboring frequency bands. In this regard, Alinikula does describe removing signals from mixed signals. What Alinikula does not describe, however, is matching match a cut-off frequency of a post-filter having a cut-off frequency that is variable to one or more of a carrier frequency and an intermediate frequency in order to separate the second signal frequency band from a neighboring frequency band. In fact, nowhere does Alinikula indicate that its any of its filters have a cut-off frequency that is variable.

The remaining art is not understood to disclose or to suggest anything that would remedy the foregoing deficiencies of Oto and Alinikula vis-à-vis the independent claims. Accordingly, claims 16 and 22 are believed to be allowable.

Each of the dependent claims is also believed to define patentable features of the invention. Each dependent claim partakes of the novelty of its corresponding independent claim and, as such, has not been discussed specifically herein.

It is believed that all of the pending claims have been addressed. However, the absence of a reply to a specific rejection, issue or comment does not signify agreement with or concession of that rejection, issue or comment. In addition, because the arguments made above may not be exhaustive, there may be reasons for patentability of any or all pending claims (or other claims) that have not been expressed. Finally, nothing in this paper should be construed as

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Page : 9 of 9

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an intent to concede any issue with regard to any claims, except as specifically stated in this paper, and the amendment of any claims does not necessarily signify concession of unpatentability of the claim prior to its amendment.

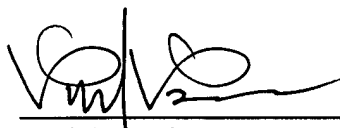
In view of the foregoing amendments and remarks, Applicants respectfully submit that the application is in condition for allowance, and such action is respectfully requested at the Examiner's earliest convenience.

Applicants' undersigned attorney can be reached at the address shown below. All telephone calls should be directed to the undersigned at 617-521-7896.

While no fees are believed to be due with this filing, please charge any deficiencies apply any credits to Deposit Account 06-1050 referencing Attorney Docket No. 12758-023001.

Respectfully submitted,

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